

## Technical Field of the Invention

This ~~utility model invention~~ belongs to ~~toy~~ the field of toys, ~~special concerns~~ especially a toy device to produce detonation by pressing a rubber film.

## Background of the Invention

The ~~In the~~ present air driving toy pistol or shooting bullet by air pressure or producing detonation by air driving, the ~~effect is~~ effects are not good, and it is also not safe too.

## Content Summary of the Invention

The purpose of this ~~utility model invention~~ is to provide a ~~kind of~~ method using pressing air acting on rubber film, ~~make~~ making it expand ~~till~~ until it bursts, so that one can ~~obtains~~ obtain a better visual and vocal effect, and ~~has not any~~ suffers no harm.

~~To realize this utility model by following project:~~

A The present invention includes a kind of detonation producing toy device utilizing air pressure, and its character is: includes a trigger mechanism, a rubber film, an air pump, ~~seal~~ a sealed body, a gunpoint; and a rolling mechanism, ~~when.~~ When

a trigger of the device is fired, the air pump and seal body is are pushed to make the rubber film press ~~fasten~~ on the gunpoint; . The power is turned on and drives the air pump, ~~presses~~ air . Air is pressed to the rubber film, ~~make~~ making it expand outwards of the gunpoint ~~till~~ until it bursts; ~~undo~~ . Upon release of the trigger, the power ~~if is~~ off, and all parts recover, under the action of a recovering spring, ~~the~~ . The trigger provides new rubber film to the gunpoint through the rolling mechanism driven by a gear, thus ~~finish~~ finishing the shooting process, and setting up a repeat of this process.

This interesting device is easy to operate, with simple structure, and with great safety.

#### ~~Drawing description~~ Description of the Drawing

FIG 1 is special ~~structure~~ structural explanation of ~~the~~ an example of ~~this utility~~ model the present invention.

#### ~~Special executive project~~ Detailed Description of the Preferred Embodiment

~~Following~~ The following is a detailed ~~specification~~ description of the best ~~executive project mode~~ of this ~~utility model~~ connected the present invention with reference to the drawing:

As shown in the drawing, this ~~utility model~~ invention includes: gun body 1, power switch 2, rubber film 3, trigger mechanism 4, air pump 5, reposition spring 6, air seal body 7, gunpoint 8, rolling mechanism 9, and battery power supply 10. Gunpoint 8 is connected with gun body 1, ~~power~~ . Power 10 is connected with air pump 5 through power switch 2, ~~air~~ . Air pump 5 is connected with air seal body 7, and ~~glide~~ glides in ~~the~~ a slideway which is set in the gun body 1, ~~rolling~~. Rolling mechanism 9 consists of a gear, a rack, a driver wheel and a driven wheel, ~~when~~ .

When practicing this ~~utility model~~ invention, the trigger 4 is fired, ~~cam~~ . A cam part of the trigger pushes the air pump 5 and air seal body 7 to gunpoint 8; . Air seal body 7 clamps the rubber film piece which is in the middle ~~of them~~, between the air pump 5 and gunpoint 8 to form a round seal part, trigger . Trigger 4 presses power switch 2 to then drive air pump 5, ~~the pressing~~ . The air from air pump 5 presses the rubber film in the round seal part between the air pump 5 and gunpoint 8 to pass through an air hole in the middle of the seal body 7; . This makes the rubber film expand outwards of gunpoint 8 ~~till~~ until it bursts, ~~produces~~ producing detonation, ~~finish and finishing the shoot, when undo shot~~. When the trigger is released, the power is off; and the air pump stops its working, ~~trigger~~ . The trigger recovers under

the action of reposition spring 6, and pushes the driver and driven wheels of rolling mechanism; 9. This makes the detonated rubber film roll on the rolling mechanism, and pulls the new rubber film stored in the driven wheel 3 to the gunpoint position at the same time, and prepares for the next ~~shoot~~ shot.

Rolling mechanism 9 does not connect with trigger mechanism, but connects with a gun bolt outside of the gun body 1, ~~which~~ . The gun bolt is used to ~~pull gun bolt to~~ work the rolling mechanism 9, ~~realizes the pulling bolt and shoot~~.